

## TECHNICAL BULLETIN

### Key Features The BOSS-1330TM – Portable, Electric ULV Mister

### A Tough Workman's machine built for Heavy Duty Commercial Use

#### Key Features

- **The BOSS-1330** is unique in terms of Care, Service and Maintenance
  - Minimal Service Tools are required (1 x Wrench, 1 x Screwdriver) to dis-assemble and re-assemble the entire machine - all Parts.
  - It is Field Strippable – pretty much BY HAND – of major components including All Electrical Replacement requirements. The BOSS-1330 can be dis-assembled and re-assembled by HAND.
    - Motor / Filter / Anti –Torque Block replacement – no Tools required.
    - Nozzle Replacement / Cleaning / Service – no Tools required.
    - Formulation Tank Replacement / Cleaning – no Tools required.

· **The BOSS-1330** is constructed with rugged with Chemically Resistant High Grade Virgin HD Polyethylene

· The BOSS-1330 has::

· a Powerful 1330 Watt Samsung Motor

· an anti-torque effect elimination assembly - with a purpose designed 'anti-torque' block and bracket preventing motor spin and twisted wiring.

· an internal Heat Shield – dramatically reducing Air Friction Heat to Motor/ Nozzle Housing.

· all-metal Liquid / Air Delivery Components – except for 2 External Flexible Nylon Liquid / Air Delivery Tubes.

· all fittings are BRASS – no plastic bolts/nuts. Stainless Steel fittings are option

· The BOSS-1330 features THREADED SCREW CAPS – Closures ARE NOT secured with metal to plastic screws.

■ Screw Caps - completely eliminate any air pressure loss.

■ Screw Caps - have large Grip-Lugs for easy hand tightening.

■ Screw Caps - allow for ease of Field Servicing.

■ Screw-on Caps feature for:

· (1) Motor within Housing containment.

· (2) Securing Nozzle Diffuser and Nozzle Face Plate to Body.

- (3) Securing Flow-Rate Control Adapter to Valve Port on Formulation Tank.
- (4) Body and Formulation Tank union.
- (5) “Dry Air” Hose Assembly with Built-In Clean Air Filter insert with washable filter,
- (6) Securing Filler Cap to Formulation Tank
- WORLD HEALTH ORGANIZATION (WHO)

Formulation Tank Ports ALL compliant with WHO Guidelines – being a minimum of 90mm diameter.

Key Features cont.:

- The BOSS-1330 has a:
  - Needle Valve Flow Rate Control incorporating Fixed Solution Flow Rate (FSFR) Valves.
  - Maximum Flow Rate Capacity: 0-60 litres per hour with no Regulating valves attached.
  - To regulate flow a BRASS Set of 5A FSFR Valves\* is supplied for personal setting requirements.
    - #20 = 5lts/Hr
    - #28 = 10lts/Hr - this Valve is Factory set before shipping
    - #37 = 16lts/Hr
    - #42 = 21lts/Hr
    - #47 = 26lts/Hr
    - Additional Valve Orifice Sizes are optional & are available as a BRASS Set of 5B FSFR Valves\*
  - #50 = 31lts/Hr, #55 = 37 lts/Hr, #60 = 44lts/Hr, #65 = 50lts/Hr, #70 = 55lts/Hr
- \* Stainless Steel FSFR Valves are Optional
- Mechanical Tilt Control assembly – not friction elevation – therefore no slippage when wet or worn.
  - The Tilt Control is metal – not plastic - Elevation is set with a Secure Locator Pin.
- Sturdy Metal Handle incorporated into Motor/Nozzle Housing Assembly bracket to distribute load.
- Sturdy Metal Motor/Nozzle Housing Assembly Mounting Bracket – to Formulation Tank – secured to Formulation Tank with Grip Lug Screw-on Cap – interchangeable with Nozzle Cap
- Formulation Pick-up Tube / Filter Assembly positioned to pick-up all Formulation within the Formulation Tank. Filter Assembly is Push-on with Stainless Steel Mesh secured with VITON filter housing

- Filler Cap has a “marker pen” screen for Chemical Product and Rate recording – a mini ‘Whiteboard’.
- 2.6m earthed Power Lead

The BOSS-1330 ‘NOVA-MIST’ Nozzle features:

- 6 vane Spiral, HDPE Diffuser / Vortical Nozzle Assembly secured with a Grip Lug Screw-on Cap
- A Fully Replaceable Nozzle Face Plate – with built-in Air Bleed release.
- Air Bleed assists to entrain the surrounding air for greater chemical dispersal.

The BOSS-1330 FORMULATION TANK is:

- 6 litre capacity, with a Filler Port and Flow Rate Control Port.
- Interchangeable if required – 4lt, 6lt or 9lt are all interchangeable.
- Fully Compliant to WHO Guidelines with 90mm Filler and Valve Port apertures.
- Fitted with a ‘sacrificial’ Rubber Boot for Tank Base and Side protection.

THE BOSS-1330 has a:

- 24 month Limited Warrant